Pham 290829

Pham 290829 Report

This analysis was run 03/28/26 on database version 641.

Pham number 290829 has 225 members, 38 are drafts.

Phages represented in each track:
• Track 1 : Essence_109, I3_117, ValleyTerrace_112, Bipolarisk_111, LordLeafolot_116, BadAgartude_108, Naija_111, FudgeTart_110, LRRHood_105, Matsumoto_110, Audrick_114, Ablatia_111, YemiJoy2021_113, Basquiat_108, CindyLou_113, ShiaLabeouf_111, Rizal_107, Khaleesi_111, Colt_103, Delilah_112, EasyJones_114, Phusco_112, NedWong_113, ArcherS7_111, GlutenPhree_113, Melpomini_106, Shaqnato_105, DTDevon_112, Grasshills_118, SrishMeg2525_111, ErnieJ_106, Loanshark_111, Megamind_111, Erdmann_112, DirtMonster_106, Yassified_109, Derek_111, Quasimodo_113, EggyFarm_119, LolaVinca_112, ET08_100, Gizmo_116, Sauce_112, Issimir_110, Ading_112, Rahel_111, BackyardAgain_109, Blubba_102, Mangeria_112, Patter_112, Amataga_112, Maby2021_112, Cali_107, Napoleon13_108, Capablanca_114, TinyTim_112, ZygoTaiga_110, Breeniome_111, Burrough_112, Pier_116, Atlantean_111, MikeLiesIn_113, Cane17_102, Bonray_112, Flabslab_106, JustHall_109, Zeenon_113, Nidhogg_113, DrPhinkDaddy_111, SmallFry_112, Jedediah_115, Specks_117, Ngannou_108, Koguma_109, Adlitam_112, Latch_112, Ava3_113, IkeLoa_105, Lethe_110, JulietS_106, Shnickers_112, Norm_113, Chargie21_108, Substance289_109, ParkTD_113, EmmaElysia_112, Roots515_110, FrayBell_117, SVoro_109, Phox_109, Primadonna_105, Fludd_112, Tyke_112, Lukilu_102, Spud_111, Zalkecks_113, McWolfish_110, PurduePete_112, BigCity_119, Pio_116, QBert_106, Iota_107, BeanWater_104, LifeSavor_110, Yucca_111, Duckfeet_104, Babyland_113, Teardrop_111, Gabriel_112, Concombre_117, Shelob_114, FoxtrotP1_112, Darko_112, JPickles_109, Pivoine_111, Ewok_113, Domi_105, SilverDipper_113, Labradorite_110, Daffodil_117
• Track 2 : Ghost_110, Caravan_106, Dietrick_104, Gamgam_112, Jaygup_112, JigglyPuff_119, Drazdys_110, Fongie_109, Cleatunium_105, InterFolia_118, Maturis_109, Blackdragon_107, PharkleMinkus_115, Naval22_116, Delylah_115, Sebata_112, Grungle_99, Bigswole_115, Astraea_108, Halldule_105, Spec_107, OrediggerDelux_109, Moiqah_102, Mikro_109, Tainan_115, Shrimp_112, BananaFence_111, Momo_111, Fixie_108, Sprinklers_108, MoMoMixon_112, Janiyra_114, Phlegm_114, Nappy_114, Rabinovish_109, YoungMoneyMata_113, Guwapp_111, Bread_111, InigoMontoya_113, Morizzled23_112, Jemmno_112, Pupusa_117, Pleione_115, Salacia_116, Ronan_106, Bowman_108, Lunareta_110, Lee7_109, NuevoMundo_117, Moby_102, Bangla1971_113, Bxz1_109, Izajani_112, Demodog_118, Montpel_110, Dessert_108, Willis_113, Bezza_100
• Track 3 : Rocha_110, Kboogie_116, ChaylaJr_107, Jezreel_112, ChickenPhender_108, RoMag_107, Chomp_111, Tortoise16_109, Kamryn_112, McGee_114, Asterius_115, Blackbrain_107, StubbySaigey_115, BobaPhatt_107,

Wally_111, Turret_107
• Track 4 : JayJay_117, Belieber_107, DeejaClivia_99, HyRo_102, LinStu_110, Alice_104
• Track 5 : CharlieB_108
• Track 6 : Jessibeth14_111, Stubby_104
• Track 7 : StephanieG_110, Trinitium_109, ScottMcG_108, Littleton_112, LookingGlass_112, Catera_108, NoodleTree_119, Cactojaque_107
• Track 8 : Tonenili_126, Vortrix_125
• Track 9 : Shifa_99, Pinkcreek_103, EmToTheThree_114, Dandelion_117
• Track 10 : Greely_109
• Track 11 : Phabba_111
• Track 12 : Myrna_107
• Track 13 : ScoobyDoobyDoo_102
• Track 14 : CherryTomatoes_104, Pupper_104, SCentae_103
• Track 15 : Skog_167

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 2, it was called in 131 of the 187 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ablatia_111, Ading_112, Adlitam_112, Amataga_112, ArcherS7_111, Asterius_115, Atlantean_111, Audrick_114, Ava3_113, Babyland_113, BackyardAgain_109, BadAgartude_108, Basquiat_108, BeanWater_104, BigCity_119, Bipolarisk_111, Blackbrain_107, Blubba_102, BobaPhatt_107, Bonray_112, Breeniome_111, Burrough_112, Cali_107, Cane17_102, Capablanca_114, Chargie21_108, ChaylaJr_107, ChickenPhender_108, Chomp_111, CindyLou_113, Colt_103, Concombre_117, DTDevon_112, Daffodil_117, Dandelion_117, Darko_112, Delilah_112, Derek_111, DirtMonster_106, Domi_105, DrPhinkDaddy_111, Duckfeet_104, ET08_100, EasyJones_114, EggyFarm_119, EmToTheThree_114, EmmaElysia_112, Erdmann_112, ErnieJ_106, Essence_109, Ewok_113, Flabslab_106, Fludd_112, FoxtrotP1_112, FrayBell_117, FudgeTart_110, Gabriel_112, Gizmo_116, GlutenPhree_113, Grasshills_118, I3_117, IkeLoa_105, Iota_107, Issimir_110, JPickles_109, Jedediah_115, Jessibeth14_111, Jezreel_112, JulietS_106, JustHall_109, Kamryn_112, Kboogie_116, Khaleesi_111, Koguma_109, LRRHood_105, Labradorite_110, Latch_112, Lethe_110, LifeSavor_110, Loanshark_111, LolaVinca_112, LordLeafolot_116, Lukilu_102, Maby2021_112, Mangeria_112, Matsumoto_110, McGee_114, McWolfish_110, Megamind_111, Melpomini_106, MikeLiesIn_113, Naija_111, Napoleon13_108, NedWong_113, Ngannou_108, Nidhogg_113, Norm_113, ParkTD_113, Patter_112, Phox_109, Phusco_112, Pier_116, Pinkcreek_103, Pio_116, Pivoine_111, Primadonna_105, PurduePete_112, QBert_106, Quasimodo_113, Rahel_111, Rizal_107, RoMag_107, Rocha_110, Roots515_110, SVoro_109, Sauce_112, Shaqnato_105, Shelob_114, ShiaLabeouf_111, Shifa_99, Shnickers_112, SilverDipper_113, SmallFry_112, Specks_117, Spud_111, SrishMeg2525_111, StubbySaigey_115, Stubby_104, Substance289_109, Teardrop_111, TinyTim_112, Tortoise16_109, Turret_107, Tyke_112, ValleyTerrace_112, Wally_111, Yassified_109, YemiJoy2021_113, Yucca_111, Zalkecks_113, Zeenon_113, ZygoTaiga_110,

Genes that have the "Most Annotated" start but do not call it:
• Alice_104, Astraea_108, BananaFence_111, Bangla1971_113, Belieber_107, Bezza_100, Bigswole_115, Blackdragon_107, Bowman_108, Bread_111, Bxz1_109, Cactojaque_107, Caravan_106, Catera_108, CharlieB_108, Cleatunium_105, DeejaClivia_99, Delylah_115, Demodog_118, Dessert_108, Dietrick_104, Drazdys_110, Fixie_108, Fongie_109, Gamgam_112, Ghost_110, Grungle_99, Guwapp_111, Halldule_105, HyRo_102, InigoMontoya_113, InterFolia_118, Izajani_112, Janiyra_114, JayJay_117, Jaygup_112, Jemmno_112, JigglyPuff_119, Lee7_109, LinStu_110, Littleton_112, LookingGlass_112, Lunareta_110, Maturis_109, Mikro_109, MoMoMixon_112, Moby_102, Moiqah_102, Momo_111, Montpel_110, Morizzled23_112, Nappy_114, Naval22_116, NoodleTree_119, NuevoMundo_117, OrediggerDelux_109, PharkleMinkus_115, Phlegm_114, Pleione_115, Pupusa_117, Rabinovish_109, Ronan_106, Salacia_116, ScottMcG_108, Sebata_112, Shrimp_112, Spec_107, Sprinklers_108, StephanieG_110, Tainan_115, Tonenili_126, Trinitium_109, Vortrix_125, Willis_113, YoungMoneyMata_113,

Genes that do not have the "Most Annotated" start:
• CherryTomatoes_104, Greely_109, Myrna_107, Phabba_111, Pupper_104, SCentae_103, ScoobyDoobyDoo_102, Skog_167,

Summary by start number:

Start 1:
• Found in 1 of 225 (0.4%) of genes in pham
• Manual Annotations of this start: 1 of 187
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Myrna_107 (C2),

Start 2:
• Found in 217 of 225 (96.4%) of genes in pham
• Manual Annotations of this start: 131 of 187
• Called 65.4% of time when present
• Phage (with cluster) where this start called: Ablatia_111 (C1), Ading_112 (C1), Adlitam_112 (C1), Amataga_112 (C1), ArcherS7_111 (C1), Asterius_115 (C1), Atlantean_111 (C1), Audrick_114 (C1), Ava3_113 (C1), Babyland_113 (C1), BackyardAgain_109 (C1), BadAgartude_108 (C1), Basquiat_108 (C1), BeanWater_104 (C1), BigCity_119 (C1), Bipolarisk_111 (C1), Blackbrain_107 (C1), Blubba_102 (C1), BobaPhatt_107 (C1), Bonray_112 (C1), Breeniome_111 (C1), Burrough_112 (C1), Cali_107 (C1), Cane17_102 (C1), Capablanca_114 (C1), Chargie21_108 (C1), ChaylaJr_107 (C1), ChickenPhender_108 (C1), Chomp_111 (C1), CindyLou_113 (C1), Colt_103 (C1), Concombre_117 (C1), DTDevon_112 (C1), Daffodil_117 (C1), Dandelion_117 (C1), Darko_112 (C1), Delilah_112 (C1), Derek_111 (C1), DirtMonster_106 (C1), Domi_105 (C1), DrPhinkDaddy_111 (C1), Duckfeet_104 (C1), ET08_100 (C1), EasyJones_114 (C1), EggyFarm_119 (C1), EmToTheThree_114 (C1), EmmaElysia_112 (C1), Erdmann_112 (C1), ErnieJ_106 (C1), Essence_109 (C1), Ewok_113 (C1), Flabslab_106 (C1), Fludd_112 (C1), FoxtrotP1_112 (C1), FrayBell_117 (C1), FudgeTart_110 (C1), Gabriel_112 (C1), Gizmo_116 (C1), GlutenPhree_113 (C1), Grasshills_118 (C1), I3_117 (C1), IkeLoa_105 (C1), Iota_107 (C1), Issimir_110 (C1), JPickles_109 (C1), Jedediah_115 (C1), Jessibeth14_111 (C1), Jezreel_112 (C1), JulietS_106 (C1), JustHall_109 (C1), Kamryn_112 (C1), Kboogie_116 (C1), Khaleesi_111 (C1), Koguma_109 (C1), LRRHood_105 (C1), Labradorite_110 (C1), Latch_112 (C1), Lethe_110 (C1),

LifeSavor_110 (C1), Loanshark_111 (C1), LolaVinca_112 (C1), LordLeafolot_116 (C1), Lukilu_102 (C1), Maby2021_112 (C1), Mangeria_112 (C1), Matsumoto_110 (C1), McGee_114 (C1), McWolfish_110 (C1), Megamind_111 (C1), Melpomini_106 (C1), MikeLiesIn_113 (C1), Naija_111 (C1), Napoleon13_108 (C1), NedWong_113 (C1), Ngannou_108 (C1), Nidhogg_113 (C1), Norm_113 (C1), ParkTD_113 (C1), Patter_112 (C1), Phox_109 (C1), Phusco_112 (C1), Pier_116 (C1), Pinkcreek_103 (C1), Pio_116 (C1), Pivoine_111 (C1), Primadonna_105 (C1), PurduePete_112 (C1), QBert_106 (C1), Quasimodo_113 (C1), Rahel_111 (C1), Rizal_107 (C1), RoMag_107 (C1), Rocha_110 (C1), Roots515_110 (C1), SVoro_109 (C1), Sauce_112 (C1), Shaqnato_105 (C1), Shelob_114 (C1), ShiaLabeouf_111 (C1), Shifa_99 (C1), Shnickers_112 (C1), SilverDipper_113 (C1), SmallFry_112 (C1), Specks_117 (C1), Spud_111 (C1), SrishMeg2525_111 (C1), StubbySaigey_115 (C1), Stubby_104 (C1), Substance289_109 (C1), Teardrop_111 (C1), TinyTim_112 (C1), Tortoise16_109 (C1), Turret_107 (C1), Tyke_112 (C1), ValleyTerrace_112 (C1), Wally_111 (C1), Yassified_109 (C1), YemiJoy2021_113 (C1), Yucca_111 (C1), Zalkecks_113 (C1), Zeenon_113 (C1), ZygoTaiga_110 (C1),

Start 6:
• Found in 4 of 225 (1.8%) of genes in pham
• Manual Annotations of this start: 4 of 187
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CherryTomatoes_104 (DO), Pupper_104 (DO), SCentae_103 (DO), Skog_167 (DO),

Start 7:
• Found in 221 of 225 (98.2%) of genes in pham
• Manual Annotations of this start: 51 of 187
• Called 35.3% of time when present
• Phage (with cluster) where this start called: Alice_104 (C1), Astraea_108 (C1), BananaFence_111 (C1), Bangla1971_113 (C1), Belieber_107 (C1), Bezza_100 (C1), Bigswole_115 (C1), Blackdragon_107 (C1), Bowman_108 (C1), Bread_111 (C1), Bxz1_109 (C1), Cactojaque_107 (C1), Caravan_106 (C1), Catera_108 (C1), CharlieB_108 (C1), Cleatunium_105 (C1), DeejaClivia_99 (C1), Delylah_115 (C1), Demodog_118 (C1), Dessert_108 (C1), Dietrick_104 (C1), Drazdys_110 (C1), Fixie_108 (C1), Fongie_109 (C1), Gamgam_112 (C1), Ghost_110 (C1), Greely_109 (C2), Grungle_99 (C1), Guwapp_111 (C1), Halldule_105 (C1), HyRo_102 (C1), InigoMontoya_113 (C1), InterFolia_118 (C1), Izajani_112 (C1), Janiyra_114 (C1), JayJay_117 (C1), Jaygup_112 (C1), Jemmno_112 (C1), JigglyPuff_119 (C1), Lee7_109 (C1), LinStu_110 (C1), Littleton_112 (C1), LookingGlass_112 (C1), Lunareta_110 (C1), Maturis_109 (C1), Mikro_109 (C1), MoMoMixon_112 (C1), Moby_102 (C1), Moiqah_102 (C1), Momo_111 (C1), Montpel_110 (C1), Morizzled23_112 (C1), Nappy_114 (C1), Naval22_116 (C1), NoodleTree_119 (C1), NuevoMundo_117 (C1), OrediggerDelux_109 (C1), Phabba_111 (C2), PharkleMinkus_115 (C1), Phlegm_114 (C1), Pleione_115 (C1), Pupusa_117 (C1), Rabinovish_109 (C1), Ronan_106 (C1), Salacia_116 (C1), ScoobyDoobyDoo_102 (C2), ScottMcG_108 (C1), Sebata_112 (C1), Shrimp_112 (C1), Spec_107 (C1), Sprinklers_108 (C1), StephanieG_110 (C1), Tainan_115 (C1), Tonenili_126 (C1), Trinitium_109 (C1), Vortrix_125 (C1), Willis_113 (C1), YoungMoneyMata_113 (C1),

Summary by clusters:

There are 3 clusters represented in this pham: C2, C1, DO,

Info for manual annotations of cluster C1:
•Start number 2 was manually annotated 131 times for cluster C1.
•Start number 7 was manually annotated 49 times for cluster C1.

Info for manual annotations of cluster C2:
•Start number 1 was manually annotated 1 time for cluster C2.
•Start number 7 was manually annotated 2 times for cluster C2.

Info for manual annotations of cluster DO:
•Start number 6 was manually annotated 4 times for cluster DO.

Gene Information:

Gene: Ablatia_111 Start: 56943, Stop: 57209, Start Num: 2
Candidate Starts for Ablatia_111:
(Start: 2 @56943 has 131 MA's), (Start: 7 @56958 has 51 MA's), (14, 57066), (16, 57078), (17, 57129), (18, 57132), (22, 57156),

Gene: Ading_112 Start: 57327, Stop: 57593, Start Num: 2
Candidate Starts for Ading_112:
(Start: 2 @57327 has 131 MA's), (Start: 7 @57342 has 51 MA's), (14, 57450), (16, 57462), (17, 57513), (18, 57516), (22, 57540),

Gene: Adlitam_112 Start: 57344, Stop: 57610, Start Num: 2
Candidate Starts for Adlitam_112:
(Start: 2 @57344 has 131 MA's), (Start: 7 @57359 has 51 MA's), (14, 57467), (16, 57479), (17, 57530), (18, 57533), (22, 57557),

Gene: Alice_104 Start: 56637, Stop: 56888, Start Num: 7
Candidate Starts for Alice_104:
(Start: 2 @56622 has 131 MA's), (Start: 7 @56637 has 51 MA's), (14, 56745), (16, 56757), (17, 56808), (18, 56811), (21, 56826), (22, 56835),

Gene: Amataga_112 Start: 56589, Stop: 56855, Start Num: 2
Candidate Starts for Amataga_112:
(Start: 2 @56589 has 131 MA's), (Start: 7 @56604 has 51 MA's), (14, 56712), (16, 56724), (17, 56775), (18, 56778), (22, 56802),

Gene: ArcherS7_111 Start: 56907, Stop: 57173, Start Num: 2
Candidate Starts for ArcherS7_111:
(Start: 2 @56907 has 131 MA's), (Start: 7 @56922 has 51 MA's), (14, 57030), (16, 57042), (17, 57093), (18, 57096), (22, 57120),

Gene: Asterius_115 Start: 57583, Stop: 57849, Start Num: 2
Candidate Starts for Asterius_115:
(Start: 2 @57583 has 131 MA's), (Start: 7 @57598 has 51 MA's), (14, 57706), (16, 57718), (17, 57769), (18, 57772), (22, 57796), (25, 57844),

Gene: Astraea_108 Start: 56373, Stop: 56624, Start Num: 7
Candidate Starts for Astraea_108:

(Start: 2 @56358 has 131 MA's), (Start: 7 @56373 has 51 MA's), (14, 56481), (16, 56493), (17, 56544), (18, 56547), (22, 56571),

Gene: Atlantean_111 Start: 56589, Stop: 56855, Start Num: 2
Candidate Starts for Atlantean_111:
(Start: 2 @56589 has 131 MA's), (Start: 7 @56604 has 51 MA's), (14, 56712), (16, 56724), (17, 56775), (18, 56778), (22, 56802),

Gene: Audrick_114 Start: 56568, Stop: 56834, Start Num: 2
Candidate Starts for Audrick_114:
(Start: 2 @56568 has 131 MA's), (Start: 7 @56583 has 51 MA's), (14, 56691), (16, 56703), (17, 56754), (18, 56757), (22, 56781),

Gene: Ava3_113 Start: 57502, Stop: 57768, Start Num: 2
Candidate Starts for Ava3_113:
(Start: 2 @57502 has 131 MA's), (Start: 7 @57517 has 51 MA's), (14, 57625), (16, 57637), (17, 57688), (18, 57691), (22, 57715),

Gene: Babyland_113 Start: 56677, Stop: 56943, Start Num: 2
Candidate Starts for Babyland_113:
(Start: 2 @56677 has 131 MA's), (Start: 7 @56692 has 51 MA's), (14, 56800), (16, 56812), (17, 56863), (18, 56866), (22, 56890),

Gene: BackyardAgain_109 Start: 56505, Stop: 56771, Start Num: 2
Candidate Starts for BackyardAgain_109:
(Start: 2 @56505 has 131 MA's), (Start: 7 @56520 has 51 MA's), (14, 56628), (16, 56640), (17, 56691), (18, 56694), (22, 56718),

Gene: BadAgartude_108 Start: 57794, Stop: 58060, Start Num: 2
Candidate Starts for BadAgartude_108:
(Start: 2 @57794 has 131 MA's), (Start: 7 @57809 has 51 MA's), (14, 57917), (16, 57929), (17, 57980), (18, 57983), (22, 58007),

Gene: BananaFence_111 Start: 57773, Stop: 58024, Start Num: 7
Candidate Starts for BananaFence_111:
(Start: 2 @57758 has 131 MA's), (Start: 7 @57773 has 51 MA's), (14, 57881), (16, 57893), (17, 57944), (18, 57947), (22, 57971),

Gene: Bangla1971_113 Start: 57052, Stop: 57303, Start Num: 7
Candidate Starts for Bangla1971_113:
(Start: 2 @57037 has 131 MA's), (Start: 7 @57052 has 51 MA's), (14, 57160), (16, 57172), (17, 57223), (18, 57226), (22, 57250),

Gene: Basquiat_108 Start: 56221, Stop: 56487, Start Num: 2
Candidate Starts for Basquiat_108:
(Start: 2 @56221 has 131 MA's), (Start: 7 @56236 has 51 MA's), (14, 56344), (16, 56356), (17, 56407), (18, 56410), (22, 56434),

Gene: BeanWater_104 Start: 57356, Stop: 57622, Start Num: 2
Candidate Starts for BeanWater_104:
(Start: 2 @57356 has 131 MA's), (Start: 7 @57371 has 51 MA's), (14, 57479), (16, 57491), (17, 57542), (18, 57545), (22, 57569),

Gene: Belieber_107 Start: 56836, Stop: 57087, Start Num: 7
Candidate Starts for Belieber_107:
(Start: 2 @56821 has 131 MA's), (Start: 7 @56836 has 51 MA's), (14, 56944), (16, 56956), (17, 57007), (18, 57010), (21, 57025), (22, 57034),

Gene: Bezza_100 Start: 56801, Stop: 57052, Start Num: 7
Candidate Starts for Bezza_100:
(Start: 2 @56786 has 131 MA's), (Start: 7 @56801 has 51 MA's), (14, 56909), (16, 56921), (17, 56972), (18, 56975), (22, 56999),

Gene: BigCity_119 Start: 60018, Stop: 60284, Start Num: 2
Candidate Starts for BigCity_119:
(Start: 2 @60018 has 131 MA's), (Start: 7 @60033 has 51 MA's), (14, 60141), (16, 60153), (17, 60204), (18, 60207), (22, 60231),

Gene: Bigswole_115 Start: 59318, Stop: 59569, Start Num: 7
Candidate Starts for Bigswole_115:
(Start: 2 @59303 has 131 MA's), (Start: 7 @59318 has 51 MA's), (14, 59426), (16, 59438), (17, 59489), (18, 59492), (22, 59516),

Gene: Bipolarisk_111 Start: 57760, Stop: 58026, Start Num: 2
Candidate Starts for Bipolarisk_111:
(Start: 2 @57760 has 131 MA's), (Start: 7 @57775 has 51 MA's), (14, 57883), (16, 57895), (17, 57946), (18, 57949), (22, 57973),

Gene: Blackbrain_107 Start: 56052, Stop: 56318, Start Num: 2
Candidate Starts for Blackbrain_107:
(Start: 2 @56052 has 131 MA's), (Start: 7 @56067 has 51 MA's), (14, 56175), (16, 56187), (17, 56238), (18, 56241), (22, 56265), (25, 56313),

Gene: Blackdragon_107 Start: 57200, Stop: 57451, Start Num: 7
Candidate Starts for Blackdragon_107:
(Start: 2 @57185 has 131 MA's), (Start: 7 @57200 has 51 MA's), (14, 57308), (16, 57320), (17, 57371), (18, 57374), (22, 57398),

Gene: Blubba_102 Start: 57791, Stop: 58057, Start Num: 2
Candidate Starts for Blubba_102:
(Start: 2 @57791 has 131 MA's), (Start: 7 @57806 has 51 MA's), (14, 57914), (16, 57926), (17, 57977), (18, 57980), (22, 58004),

Gene: BobaPhatt_107 Start: 56110, Stop: 56376, Start Num: 2
Candidate Starts for BobaPhatt_107:
(Start: 2 @56110 has 131 MA's), (Start: 7 @56125 has 51 MA's), (14, 56233), (16, 56245), (17, 56296), (18, 56299), (22, 56323), (25, 56371),

Gene: Bonray_112 Start: 57933, Stop: 58199, Start Num: 2
Candidate Starts for Bonray_112:
(Start: 2 @57933 has 131 MA's), (Start: 7 @57948 has 51 MA's), (14, 58056), (16, 58068), (17, 58119), (18, 58122), (22, 58146),

Gene: Bowman_108 Start: 57509, Stop: 57760, Start Num: 7
Candidate Starts for Bowman_108:

(Start: 2 @57494 has 131 MA's), (Start: 7 @57509 has 51 MA's), (14, 57617), (16, 57629), (17, 57680), (18, 57683), (22, 57707),

Gene: Bread_111 Start: 57603, Stop: 57854, Start Num: 7
Candidate Starts for Bread_111:
(Start: 2 @57588 has 131 MA's), (Start: 7 @57603 has 51 MA's), (14, 57711), (16, 57723), (17, 57774), (18, 57777), (22, 57801),

Gene: Breeniome_111 Start: 55936, Stop: 56202, Start Num: 2
Candidate Starts for Breeniome_111:
(Start: 2 @55936 has 131 MA's), (Start: 7 @55951 has 51 MA's), (14, 56059), (16, 56071), (17, 56122), (18, 56125), (22, 56149),

Gene: Burrough_112 Start: 58087, Stop: 58353, Start Num: 2
Candidate Starts for Burrough_112:
(Start: 2 @58087 has 131 MA's), (Start: 7 @58102 has 51 MA's), (14, 58210), (16, 58222), (17, 58273), (18, 58276), (22, 58300),

Gene: Bxz1_109 Start: 59305, Stop: 59556, Start Num: 7
Candidate Starts for Bxz1_109:
(Start: 2 @59290 has 131 MA's), (Start: 7 @59305 has 51 MA's), (14, 59413), (16, 59425), (17, 59476), (18, 59479), (22, 59503),

Gene: Cactojaque_107 Start: 56174, Stop: 56425, Start Num: 7
Candidate Starts for Cactojaque_107:
(Start: 2 @56159 has 131 MA's), (Start: 7 @56174 has 51 MA's), (14, 56282), (16, 56294), (17, 56345), (18, 56348), (22, 56372), (25, 56420),

Gene: Cali_107 Start: 58089, Stop: 58355, Start Num: 2
Candidate Starts for Cali_107:
(Start: 2 @58089 has 131 MA's), (Start: 7 @58104 has 51 MA's), (14, 58212), (16, 58224), (17, 58275), (18, 58278), (22, 58302),

Gene: Cane17_102 Start: 57849, Stop: 58115, Start Num: 2
Candidate Starts for Cane17_102:
(Start: 2 @57849 has 131 MA's), (Start: 7 @57864 has 51 MA's), (14, 57972), (16, 57984), (17, 58035), (18, 58038), (22, 58062),

Gene: Capablanca_114 Start: 58339, Stop: 58605, Start Num: 2
Candidate Starts for Capablanca_114:
(Start: 2 @58339 has 131 MA's), (Start: 7 @58354 has 51 MA's), (14, 58462), (16, 58474), (17, 58525), (18, 58528), (22, 58552),

Gene: Caravan_106 Start: 57461, Stop: 57712, Start Num: 7
Candidate Starts for Caravan_106:
(Start: 2 @57446 has 131 MA's), (Start: 7 @57461 has 51 MA's), (14, 57569), (16, 57581), (17, 57632), (18, 57635), (22, 57659),

Gene: Catera_108 Start: 56378, Stop: 56629, Start Num: 7
Candidate Starts for Catera_108:
(Start: 2 @56363 has 131 MA's), (Start: 7 @56378 has 51 MA's), (14, 56486), (16, 56498), (17, 56549), (18, 56552), (22, 56576), (25, 56624),

Gene: Chargie21_108 Start: 56221, Stop: 56487, Start Num: 2
Candidate Starts for Chargie21_108:
(Start: 2 @56221 has 131 MA's), (Start: 7 @56236 has 51 MA's), (14, 56344), (16, 56356), (17, 56407), (18, 56410), (22, 56434),

Gene: CharlieB_108 Start: 56508, Stop: 56759, Start Num: 7
Candidate Starts for CharlieB_108:
(Start: 2 @56493 has 131 MA's), (Start: 7 @56508 has 51 MA's), (14, 56616), (16, 56628), (17, 56679), (18, 56682), (22, 56706),

Gene: ChaylaJr_107 Start: 55985, Stop: 56251, Start Num: 2
Candidate Starts for ChaylaJr_107:
(Start: 2 @55985 has 131 MA's), (Start: 7 @56000 has 51 MA's), (14, 56108), (16, 56120), (17, 56171), (18, 56174), (22, 56198), (25, 56246),

Gene: CherryTomatoes_104 Start: 60626, Stop: 60835, Start Num: 6
Candidate Starts for CherryTomatoes_104:
(Start: 6 @60626 has 4 MA's), (9, 60644), (10, 60650), (13, 60713), (15, 60725), (18, 60764), (19, 60767), (20, 60773),

Gene: ChickenPhender_108 Start: 56288, Stop: 56554, Start Num: 2
Candidate Starts for ChickenPhender_108:
(Start: 2 @56288 has 131 MA's), (Start: 7 @56303 has 51 MA's), (14, 56411), (16, 56423), (17, 56474), (18, 56477), (22, 56501), (25, 56549),

Gene: Chomp_111 Start: 57878, Stop: 58144, Start Num: 2
Candidate Starts for Chomp_111:
(Start: 2 @57878 has 131 MA's), (Start: 7 @57893 has 51 MA's), (14, 58001), (16, 58013), (17, 58064), (18, 58067), (22, 58091), (25, 58139),

Gene: CindyLou_113 Start: 57918, Stop: 58184, Start Num: 2
Candidate Starts for CindyLou_113:
(Start: 2 @57918 has 131 MA's), (Start: 7 @57933 has 51 MA's), (14, 58041), (16, 58053), (17, 58104), (18, 58107), (22, 58131),

Gene: Cleatunium_105 Start: 56590, Stop: 56841, Start Num: 7
Candidate Starts for Cleatunium_105:
(Start: 2 @56575 has 131 MA's), (Start: 7 @56590 has 51 MA's), (14, 56698), (16, 56710), (17, 56761), (18, 56764), (22, 56788),

Gene: Colt_103 Start: 58445, Stop: 58711, Start Num: 2
Candidate Starts for Colt_103:
(Start: 2 @58445 has 131 MA's), (Start: 7 @58460 has 51 MA's), (14, 58568), (16, 58580), (17, 58631), (18, 58634), (22, 58658),

Gene: Concombre_117 Start: 60251, Stop: 60517, Start Num: 2
Candidate Starts for Concombre_117:
(Start: 2 @60251 has 131 MA's), (Start: 7 @60266 has 51 MA's), (14, 60374), (16, 60386), (17, 60437), (18, 60440), (22, 60464),

Gene: DTDevon_112 Start: 58129, Stop: 58395, Start Num: 2
Candidate Starts for DTDevon_112:

(Start: 2 @58129 has 131 MA's), (Start: 7 @58144 has 51 MA's), (14, 58252), (16, 58264), (17, 58315), (18, 58318), (22, 58342),

Gene: Daffodil_117 Start: 58060, Stop: 58326, Start Num: 2
Candidate Starts for Daffodil_117:
(Start: 2 @58060 has 131 MA's), (Start: 7 @58075 has 51 MA's), (14, 58183), (16, 58195), (17, 58246), (18, 58249), (22, 58273),

Gene: Dandelion_117 Start: 60242, Stop: 60508, Start Num: 2
Candidate Starts for Dandelion_117:
(Start: 2 @60242 has 131 MA's), (Start: 7 @60257 has 51 MA's), (14, 60365), (16, 60377), (17, 60428), (18, 60431), (21, 60446), (22, 60455),

Gene: Darko_112 Start: 57762, Stop: 58028, Start Num: 2
Candidate Starts for Darko_112:
(Start: 2 @57762 has 131 MA's), (Start: 7 @57777 has 51 MA's), (14, 57885), (16, 57897), (17, 57948), (18, 57951), (22, 57975),

Gene: DeejaClivia_99 Start: 54433, Stop: 54684, Start Num: 7
Candidate Starts for DeejaClivia_99:
(Start: 2 @54418 has 131 MA's), (Start: 7 @54433 has 51 MA's), (14, 54541), (16, 54553), (17, 54604), (18, 54607), (21, 54622), (22, 54631),

Gene: Delilah_112 Start: 58214, Stop: 58480, Start Num: 2
Candidate Starts for Delilah_112:
(Start: 2 @58214 has 131 MA's), (Start: 7 @58229 has 51 MA's), (14, 58337), (16, 58349), (17, 58400), (18, 58403), (22, 58427),

Gene: Delylah_115 Start: 57768, Stop: 58019, Start Num: 7
Candidate Starts for Delylah_115:
(Start: 2 @57753 has 131 MA's), (Start: 7 @57768 has 51 MA's), (14, 57876), (16, 57888), (17, 57939), (18, 57942), (22, 57966),

Gene: Demodog_118 Start: 60275, Stop: 60526, Start Num: 7
Candidate Starts for Demodog_118:
(Start: 2 @60260 has 131 MA's), (Start: 7 @60275 has 51 MA's), (14, 60383), (16, 60395), (17, 60446), (18, 60449), (22, 60473),

Gene: Derek_111 Start: 57679, Stop: 57945, Start Num: 2
Candidate Starts for Derek_111:
(Start: 2 @57679 has 131 MA's), (Start: 7 @57694 has 51 MA's), (14, 57802), (16, 57814), (17, 57865), (18, 57868), (22, 57892),

Gene: Dessert_108 Start: 56170, Stop: 56421, Start Num: 7
Candidate Starts for Dessert_108:
(Start: 2 @56155 has 131 MA's), (Start: 7 @56170 has 51 MA's), (14, 56278), (16, 56290), (17, 56341), (18, 56344), (22, 56368),

Gene: Dietrick_104 Start: 55770, Stop: 56021, Start Num: 7
Candidate Starts for Dietrick_104:
(Start: 2 @55755 has 131 MA's), (Start: 7 @55770 has 51 MA's), (14, 55878), (16, 55890), (17, 55941), (18, 55944), (22, 55968),

Gene: DirtMonster_106 Start: 57013, Stop: 57279, Start Num: 2
Candidate Starts for DirtMonster_106:
(Start: 2 @57013 has 131 MA's), (Start: 7 @57028 has 51 MA's), (14, 57136), (16, 57148), (17, 57199),
(18, 57202), (22, 57226),

Gene: Domi_105 Start: 57101, Stop: 57367, Start Num: 2
Candidate Starts for Domi_105:
(Start: 2 @57101 has 131 MA's), (Start: 7 @57116 has 51 MA's), (14, 57224), (16, 57236), (17, 57287),
(18, 57290), (22, 57314),

Gene: DrPhinkDaddy_111 Start: 58282, Stop: 58548, Start Num: 2
Candidate Starts for DrPhinkDaddy_111:
(Start: 2 @58282 has 131 MA's), (Start: 7 @58297 has 51 MA's), (14, 58405), (16, 58417), (17, 58468),
(18, 58471), (22, 58495),

Gene: Drazdys_110 Start: 56758, Stop: 57009, Start Num: 7
Candidate Starts for Drazdys_110:
(Start: 2 @56743 has 131 MA's), (Start: 7 @56758 has 51 MA's), (14, 56866), (16, 56878), (17, 56929),
(18, 56932), (22, 56956),

Gene: Duckfeet_104 Start: 56205, Stop: 56471, Start Num: 2
Candidate Starts for Duckfeet_104:
(Start: 2 @56205 has 131 MA's), (Start: 7 @56220 has 51 MA's), (14, 56328), (16, 56340), (17, 56391),
(18, 56394), (22, 56418),

Gene: ET08_100 Start: 56743, Stop: 57009, Start Num: 2
Candidate Starts for ET08_100:
(Start: 2 @56743 has 131 MA's), (Start: 7 @56758 has 51 MA's), (14, 56866), (16, 56878), (17, 56929),
(18, 56932), (22, 56956),

Gene: EasyJones_114 Start: 56885, Stop: 57151, Start Num: 2
Candidate Starts for EasyJones_114:
(Start: 2 @56885 has 131 MA's), (Start: 7 @56900 has 51 MA's), (14, 57008), (16, 57020), (17, 57071),
(18, 57074), (22, 57098),

Gene: EggyFarm_119 Start: 60018, Stop: 60284, Start Num: 2
Candidate Starts for EggyFarm_119:
(Start: 2 @60018 has 131 MA's), (Start: 7 @60033 has 51 MA's), (14, 60141), (16, 60153), (17, 60204),
(18, 60207), (22, 60231),

Gene: EmToTheThree_114 Start: 59022, Stop: 59288, Start Num: 2
Candidate Starts for EmToTheThree_114:
(Start: 2 @59022 has 131 MA's), (Start: 7 @59037 has 51 MA's), (14, 59145), (16, 59157), (17, 59208),
(18, 59211), (21, 59226), (22, 59235),

Gene: EmmaElysia_112 Start: 56808, Stop: 57074, Start Num: 2
Candidate Starts for EmmaElysia_112:
(Start: 2 @56808 has 131 MA's), (Start: 7 @56823 has 51 MA's), (14, 56931), (16, 56943), (17, 56994),
(18, 56997), (22, 57021),

Gene: Erdmann_112 Start: 58061, Stop: 58327, Start Num: 2
Candidate Starts for Erdmann_112:

(Start: 2 @58061 has 131 MA's), (Start: 7 @58076 has 51 MA's), (14, 58184), (16, 58196), (17, 58247), (18, 58250), (22, 58274),

Gene: ErnieJ_106 Start: 56016, Stop: 56282, Start Num: 2
Candidate Starts for ErnieJ_106:
(Start: 2 @56016 has 131 MA's), (Start: 7 @56031 has 51 MA's), (14, 56139), (16, 56151), (17, 56202), (18, 56205), (22, 56229),

Gene: Essence_109 Start: 56909, Stop: 57175, Start Num: 2
Candidate Starts for Essence_109:
(Start: 2 @56909 has 131 MA's), (Start: 7 @56924 has 51 MA's), (14, 57032), (16, 57044), (17, 57095), (18, 57098), (22, 57122),

Gene: Ewok_113 Start: 57448, Stop: 57714, Start Num: 2
Candidate Starts for Ewok_113:
(Start: 2 @57448 has 131 MA's), (Start: 7 @57463 has 51 MA's), (14, 57571), (16, 57583), (17, 57634), (18, 57637), (22, 57661),

Gene: Fixie_108 Start: 56717, Stop: 56968, Start Num: 7
Candidate Starts for Fixie_108:
(Start: 2 @56702 has 131 MA's), (Start: 7 @56717 has 51 MA's), (14, 56825), (16, 56837), (17, 56888), (18, 56891), (22, 56915),

Gene: Flabslab_106 Start: 55140, Stop: 55406, Start Num: 2
Candidate Starts for Flabslab_106:
(Start: 2 @55140 has 131 MA's), (Start: 7 @55155 has 51 MA's), (14, 55263), (16, 55275), (17, 55326), (18, 55329), (22, 55353),

Gene: Fludd_112 Start: 56656, Stop: 56922, Start Num: 2
Candidate Starts for Fludd_112:
(Start: 2 @56656 has 131 MA's), (Start: 7 @56671 has 51 MA's), (14, 56779), (16, 56791), (17, 56842), (18, 56845), (22, 56869),

Gene: Fongie_109 Start: 57676, Stop: 57927, Start Num: 7
Candidate Starts for Fongie_109:
(Start: 2 @57661 has 131 MA's), (Start: 7 @57676 has 51 MA's), (14, 57784), (16, 57796), (17, 57847), (18, 57850), (22, 57874),

Gene: FoxtrotP1_112 Start: 59231, Stop: 59497, Start Num: 2
Candidate Starts for FoxtrotP1_112:
(Start: 2 @59231 has 131 MA's), (Start: 7 @59246 has 51 MA's), (14, 59354), (16, 59366), (17, 59417), (18, 59420), (22, 59444),

Gene: FrayBell_117 Start: 58395, Stop: 58661, Start Num: 2
Candidate Starts for FrayBell_117:
(Start: 2 @58395 has 131 MA's), (Start: 7 @58410 has 51 MA's), (14, 58518), (16, 58530), (17, 58581), (18, 58584), (22, 58608),

Gene: FudgeTart_110 Start: 57090, Stop: 57356, Start Num: 2
Candidate Starts for FudgeTart_110:
(Start: 2 @57090 has 131 MA's), (Start: 7 @57105 has 51 MA's), (14, 57213), (16, 57225), (17, 57276), (18, 57279), (22, 57303),

Gene: Gabriel_112 Start: 56315, Stop: 56581, Start Num: 2
Candidate Starts for Gabriel_112:
(Start: 2 @56315 has 131 MA's), (Start: 7 @56330 has 51 MA's), (14, 56438), (16, 56450), (17, 56501), (18, 56504), (22, 56528),

Gene: Gamgam_112 Start: 56604, Stop: 56855, Start Num: 7
Candidate Starts for Gamgam_112:
(Start: 2 @56589 has 131 MA's), (Start: 7 @56604 has 51 MA's), (14, 56712), (16, 56724), (17, 56775), (18, 56778), (22, 56802),

Gene: Ghost_110 Start: 56604, Stop: 56855, Start Num: 7
Candidate Starts for Ghost_110:
(Start: 2 @56589 has 131 MA's), (Start: 7 @56604 has 51 MA's), (14, 56712), (16, 56724), (17, 56775), (18, 56778), (22, 56802),

Gene: Gizmo_116 Start: 59211, Stop: 59477, Start Num: 2
Candidate Starts for Gizmo_116:
(Start: 2 @59211 has 131 MA's), (Start: 7 @59226 has 51 MA's), (14, 59334), (16, 59346), (17, 59397), (18, 59400), (22, 59424),

Gene: GlutenPhree_113 Start: 56589, Stop: 56855, Start Num: 2
Candidate Starts for GlutenPhree_113:
(Start: 2 @56589 has 131 MA's), (Start: 7 @56604 has 51 MA's), (14, 56712), (16, 56724), (17, 56775), (18, 56778), (22, 56802),

Gene: Grasshills_118 Start: 60018, Stop: 60284, Start Num: 2
Candidate Starts for Grasshills_118:
(Start: 2 @60018 has 131 MA's), (Start: 7 @60033 has 51 MA's), (14, 60141), (16, 60153), (17, 60204), (18, 60207), (22, 60231),

Gene: Greely_109 Start: 55472, Stop: 55714, Start Num: 7
Candidate Starts for Greely_109:
(Start: 7 @55472 has 51 MA's), (8, 55484), (9, 55487), (12, 55535), (13, 55562), (23, 55685),

Gene: Grungle_99 Start: 54348, Stop: 54599, Start Num: 7
Candidate Starts for Grungle_99:
(Start: 2 @54333 has 131 MA's), (Start: 7 @54348 has 51 MA's), (14, 54456), (16, 54468), (17, 54519), (18, 54522), (22, 54546),

Gene: Guwapp_111 Start: 56495, Stop: 56746, Start Num: 7
Candidate Starts for Guwapp_111:
(Start: 2 @56480 has 131 MA's), (Start: 7 @56495 has 51 MA's), (14, 56603), (16, 56615), (17, 56666), (18, 56669), (22, 56693),

Gene: Halldule_105 Start: 55374, Stop: 55625, Start Num: 7
Candidate Starts for Halldule_105:
(Start: 2 @55359 has 131 MA's), (Start: 7 @55374 has 51 MA's), (14, 55482), (16, 55494), (17, 55545), (18, 55548), (22, 55572),

Gene: HyRo_102 Start: 56601, Stop: 56852, Start Num: 7
Candidate Starts for HyRo_102:
(Start: 2 @56586 has 131 MA's), (Start: 7 @56601 has 51 MA's), (14, 56709), (16, 56721), (17, 56772), (18, 56775), (21, 56790), (22, 56799),

Gene: I3_117 Start: 58546, Stop: 58812, Start Num: 2
Candidate Starts for I3_117:
(Start: 2 @58546 has 131 MA's), (Start: 7 @58561 has 51 MA's), (14, 58669), (16, 58681), (17, 58732), (18, 58735), (22, 58759),

Gene: IkeLoa_105 Start: 56415, Stop: 56681, Start Num: 2
Candidate Starts for IkeLoa_105:
(Start: 2 @56415 has 131 MA's), (Start: 7 @56430 has 51 MA's), (14, 56538), (16, 56550), (17, 56601), (18, 56604), (22, 56628),

Gene: InigoMontoya_113 Start: 56565, Stop: 56816, Start Num: 7
Candidate Starts for InigoMontoya_113:
(Start: 2 @56550 has 131 MA's), (Start: 7 @56565 has 51 MA's), (14, 56673), (16, 56685), (17, 56736), (18, 56739), (22, 56763),

Gene: InterFolia_118 Start: 59345, Stop: 59596, Start Num: 7
Candidate Starts for InterFolia_118:
(Start: 2 @59330 has 131 MA's), (Start: 7 @59345 has 51 MA's), (14, 59453), (16, 59465), (17, 59516), (18, 59519), (22, 59543),

Gene: Iota_107 Start: 57026, Stop: 57292, Start Num: 2
Candidate Starts for Iota_107:
(Start: 2 @57026 has 131 MA's), (Start: 7 @57041 has 51 MA's), (14, 57149), (16, 57161), (17, 57212), (18, 57215), (22, 57239),

Gene: Issimir_110 Start: 58035, Stop: 58301, Start Num: 2
Candidate Starts for Issimir_110:
(Start: 2 @58035 has 131 MA's), (Start: 7 @58050 has 51 MA's), (14, 58158), (16, 58170), (17, 58221), (18, 58224), (22, 58248),

Gene: Izajani_112 Start: 58256, Stop: 58507, Start Num: 7
Candidate Starts for Izajani_112:
(Start: 2 @58241 has 131 MA's), (Start: 7 @58256 has 51 MA's), (14, 58364), (16, 58376), (17, 58427), (18, 58430), (22, 58454),

Gene: JPickles_109 Start: 55820, Stop: 56086, Start Num: 2
Candidate Starts for JPickles_109:
(Start: 2 @55820 has 131 MA's), (Start: 7 @55835 has 51 MA's), (14, 55943), (16, 55955), (17, 56006), (18, 56009), (22, 56033),

Gene: Janiyra_114 Start: 57531, Stop: 57782, Start Num: 7
Candidate Starts for Janiyra_114:
(Start: 2 @57516 has 131 MA's), (Start: 7 @57531 has 51 MA's), (14, 57639), (16, 57651), (17, 57702), (18, 57705), (22, 57729),

Gene: JayJay_117 Start: 59041, Stop: 59292, Start Num: 7
Candidate Starts for JayJay_117:
(Start: 2 @59026 has 131 MA's), (Start: 7 @59041 has 51 MA's), (14, 59149), (16, 59161), (17, 59212), (18, 59215), (21, 59230), (22, 59239),

Gene: Jaygup_112 Start: 57360, Stop: 57611, Start Num: 7
Candidate Starts for Jaygup_112:

(Start: 2 @57345 has 131 MA's), (Start: 7 @57360 has 51 MA's), (14, 57468), (16, 57480), (17, 57531), (18, 57534), (22, 57558),

Gene: Jedediah_115 Start: 57878, Stop: 58144, Start Num: 2
Candidate Starts for Jedediah_115:
(Start: 2 @57878 has 131 MA's), (Start: 7 @57893 has 51 MA's), (14, 58001), (16, 58013), (17, 58064), (18, 58067), (22, 58091),

Gene: Jemmno_112 Start: 57340, Stop: 57591, Start Num: 7
Candidate Starts for Jemmno_112:
(Start: 2 @57325 has 131 MA's), (Start: 7 @57340 has 51 MA's), (14, 57448), (16, 57460), (17, 57511), (18, 57514), (22, 57538),

Gene: Jessibeth14_111 Start: 57847, Stop: 58113, Start Num: 2
Candidate Starts for Jessibeth14_111:
(Start: 2 @57847 has 131 MA's), (Start: 7 @57862 has 51 MA's), (14, 57970), (16, 57982), (18, 58036), (22, 58060),

Gene: Jezreel_112 Start: 58010, Stop: 58276, Start Num: 2
Candidate Starts for Jezreel_112:
(Start: 2 @58010 has 131 MA's), (Start: 7 @58025 has 51 MA's), (14, 58133), (16, 58145), (17, 58196), (18, 58199), (22, 58223), (25, 58271),

Gene: JigglyPuff_119 Start: 60190, Stop: 60441, Start Num: 7
Candidate Starts for JigglyPuff_119:
(Start: 2 @60175 has 131 MA's), (Start: 7 @60190 has 51 MA's), (14, 60298), (16, 60310), (17, 60361), (18, 60364), (22, 60388),

Gene: JulietS_106 Start: 55212, Stop: 55478, Start Num: 2
Candidate Starts for JulietS_106:
(Start: 2 @55212 has 131 MA's), (Start: 7 @55227 has 51 MA's), (14, 55335), (16, 55347), (17, 55398), (18, 55401), (22, 55425),

Gene: JustHall_109 Start: 57384, Stop: 57650, Start Num: 2
Candidate Starts for JustHall_109:
(Start: 2 @57384 has 131 MA's), (Start: 7 @57399 has 51 MA's), (14, 57507), (16, 57519), (17, 57570), (18, 57573), (22, 57597),

Gene: Kamryn_112 Start: 58662, Stop: 58928, Start Num: 2
Candidate Starts for Kamryn_112:
(Start: 2 @58662 has 131 MA's), (Start: 7 @58677 has 51 MA's), (14, 58785), (16, 58797), (17, 58848), (18, 58851), (22, 58875), (25, 58923),

Gene: Kboogie_116 Start: 57018, Stop: 57284, Start Num: 2
Candidate Starts for Kboogie_116:
(Start: 2 @57018 has 131 MA's), (Start: 7 @57033 has 51 MA's), (14, 57141), (16, 57153), (17, 57204), (18, 57207), (22, 57231), (25, 57279),

Gene: Khaleesi_111 Start: 57960, Stop: 58226, Start Num: 2
Candidate Starts for Khaleesi_111:
(Start: 2 @57960 has 131 MA's), (Start: 7 @57975 has 51 MA's), (14, 58083), (16, 58095), (17, 58146), (18, 58149), (22, 58173),

Gene: Koguma_109 Start: 55505, Stop: 55771, Start Num: 2
Candidate Starts for Koguma_109:
(Start: 2 @55505 has 131 MA's), (Start: 7 @55520 has 51 MA's), (14, 55628), (16, 55640), (17, 55691), (18, 55694), (22, 55718),

Gene: LRRHood_105 Start: 57303, Stop: 57569, Start Num: 2
Candidate Starts for LRRHood_105:
(Start: 2 @57303 has 131 MA's), (Start: 7 @57318 has 51 MA's), (14, 57426), (16, 57438), (17, 57489), (18, 57492), (22, 57516),

Gene: Labradorite_110 Start: 56042, Stop: 56308, Start Num: 2
Candidate Starts for Labradorite_110:
(Start: 2 @56042 has 131 MA's), (Start: 7 @56057 has 51 MA's), (14, 56165), (16, 56177), (17, 56228), (18, 56231), (22, 56255),

Gene: Latch_112 Start: 56589, Stop: 56855, Start Num: 2
Candidate Starts for Latch_112:
(Start: 2 @56589 has 131 MA's), (Start: 7 @56604 has 51 MA's), (14, 56712), (16, 56724), (17, 56775), (18, 56778), (22, 56802),

Gene: Lee7_109 Start: 58609, Stop: 58860, Start Num: 7
Candidate Starts for Lee7_109:
(Start: 2 @58594 has 131 MA's), (Start: 7 @58609 has 51 MA's), (14, 58717), (16, 58729), (17, 58780), (18, 58783), (22, 58807),

Gene: Lethe_110 Start: 58032, Stop: 58298, Start Num: 2
Candidate Starts for Lethe_110:
(Start: 2 @58032 has 131 MA's), (Start: 7 @58047 has 51 MA's), (14, 58155), (16, 58167), (17, 58218), (18, 58221), (22, 58245),

Gene: LifeSavor_110 Start: 57277, Stop: 57543, Start Num: 2
Candidate Starts for LifeSavor_110:
(Start: 2 @57277 has 131 MA's), (Start: 7 @57292 has 51 MA's), (14, 57400), (16, 57412), (17, 57463), (18, 57466), (22, 57490),

Gene: LinStu_110 Start: 57927, Stop: 58178, Start Num: 7
Candidate Starts for LinStu_110:
(Start: 2 @57912 has 131 MA's), (Start: 7 @57927 has 51 MA's), (14, 58035), (16, 58047), (17, 58098), (18, 58101), (21, 58116), (22, 58125),

Gene: Littleton_112 Start: 57422, Stop: 57673, Start Num: 7
Candidate Starts for Littleton_112:
(Start: 2 @57407 has 131 MA's), (Start: 7 @57422 has 51 MA's), (14, 57530), (16, 57542), (17, 57593), (18, 57596), (22, 57620), (25, 57668),

Gene: Loanshark_111 Start: 57928, Stop: 58194, Start Num: 2
Candidate Starts for Loanshark_111:
(Start: 2 @57928 has 131 MA's), (Start: 7 @57943 has 51 MA's), (14, 58051), (16, 58063), (17, 58114), (18, 58117), (22, 58141),

Gene: LolaVinca_112 Start: 58280, Stop: 58546, Start Num: 2
Candidate Starts for LolaVinca_112:

(Start: 2 @58280 has 131 MA's), (Start: 7 @58295 has 51 MA's), (14, 58403), (16, 58415), (17, 58466),
(18, 58469), (22, 58493),

Gene: LookingGlass_112 Start: 58120, Stop: 58371, Start Num: 7
Candidate Starts for LookingGlass_112:
(Start: 2 @58105 has 131 MA's), (Start: 7 @58120 has 51 MA's), (14, 58228), (16, 58240), (17, 58291),
(18, 58294), (22, 58318), (25, 58366),

Gene: LordLeafolot_116 Start: 59247, Stop: 59513, Start Num: 2
Candidate Starts for LordLeafolot_116:
(Start: 2 @59247 has 131 MA's), (Start: 7 @59262 has 51 MA's), (14, 59370), (16, 59382), (17, 59433),
(18, 59436), (22, 59460),

Gene: Lukilu_102 Start: 57694, Stop: 57960, Start Num: 2
Candidate Starts for Lukilu_102:
(Start: 2 @57694 has 131 MA's), (Start: 7 @57709 has 51 MA's), (14, 57817), (16, 57829), (17, 57880),
(18, 57883), (22, 57907),

Gene: Lunareta_110 Start: 59215, Stop: 59466, Start Num: 7
Candidate Starts for Lunareta_110:
(Start: 2 @59200 has 131 MA's), (Start: 7 @59215 has 51 MA's), (14, 59323), (16, 59335), (17, 59386),
(18, 59389), (22, 59413),

Gene: Maby2021_112 Start: 58054, Stop: 58320, Start Num: 2
Candidate Starts for Maby2021_112:
(Start: 2 @58054 has 131 MA's), (Start: 7 @58069 has 51 MA's), (14, 58177), (16, 58189), (17, 58240),
(18, 58243), (22, 58267),

Gene: Mangeria_112 Start: 58123, Stop: 58389, Start Num: 2
Candidate Starts for Mangeria_112:
(Start: 2 @58123 has 131 MA's), (Start: 7 @58138 has 51 MA's), (14, 58246), (16, 58258), (17, 58309),
(18, 58312), (22, 58336),

Gene: Matsumoto_110 Start: 56906, Stop: 57172, Start Num: 2
Candidate Starts for Matsumoto_110:
(Start: 2 @56906 has 131 MA's), (Start: 7 @56921 has 51 MA's), (14, 57029), (16, 57041), (17, 57092),
(18, 57095), (22, 57119),

Gene: Maturis_109 Start: 57711, Stop: 57962, Start Num: 7
Candidate Starts for Maturis_109:
(Start: 2 @57696 has 131 MA's), (Start: 7 @57711 has 51 MA's), (14, 57819), (16, 57831), (17, 57882),
(18, 57885), (22, 57909),

Gene: McGee_114 Start: 56659, Stop: 56925, Start Num: 2
Candidate Starts for McGee_114:
(Start: 2 @56659 has 131 MA's), (Start: 7 @56674 has 51 MA's), (14, 56782), (16, 56794), (17, 56845),
(18, 56848), (22, 56872), (25, 56920),

Gene: McWolfish_110 Start: 57843, Stop: 58109, Start Num: 2
Candidate Starts for McWolfish_110:
(Start: 2 @57843 has 131 MA's), (Start: 7 @57858 has 51 MA's), (14, 57966), (16, 57978), (17, 58029),
(18, 58032), (22, 58056),

Gene: Megamind_111 Start: 57727, Stop: 57993, Start Num: 2
Candidate Starts for Megamind_111:
(Start: 2 @57727 has 131 MA's), (Start: 7 @57742 has 51 MA's), (14, 57850), (16, 57862), (17, 57913), (18, 57916), (22, 57940),

Gene: Melpomini_106 Start: 55193, Stop: 55459, Start Num: 2
Candidate Starts for Melpomini_106:
(Start: 2 @55193 has 131 MA's), (Start: 7 @55208 has 51 MA's), (14, 55316), (16, 55328), (17, 55379), (18, 55382), (22, 55406),

Gene: MikeLiesIn_113 Start: 58074, Stop: 58340, Start Num: 2
Candidate Starts for MikeLiesIn_113:
(Start: 2 @58074 has 131 MA's), (Start: 7 @58089 has 51 MA's), (14, 58197), (16, 58209), (17, 58260), (18, 58263), (22, 58287),

Gene: Mikro_109 Start: 59312, Stop: 59563, Start Num: 7
Candidate Starts for Mikro_109:
(Start: 2 @59297 has 131 MA's), (Start: 7 @59312 has 51 MA's), (14, 59420), (16, 59432), (17, 59483), (18, 59486), (22, 59510),

Gene: MoMoMixon_112 Start: 57565, Stop: 57816, Start Num: 7
Candidate Starts for MoMoMixon_112:
(Start: 2 @57550 has 131 MA's), (Start: 7 @57565 has 51 MA's), (14, 57673), (16, 57685), (17, 57736), (18, 57739), (22, 57763),

Gene: Moby_102 Start: 54478, Stop: 54729, Start Num: 7
Candidate Starts for Moby_102:
(Start: 2 @54463 has 131 MA's), (Start: 7 @54478 has 51 MA's), (14, 54586), (16, 54598), (17, 54649), (18, 54652), (22, 54676),

Gene: Moiqah_102 Start: 54478, Stop: 54729, Start Num: 7
Candidate Starts for Moiqah_102:
(Start: 2 @54463 has 131 MA's), (Start: 7 @54478 has 51 MA's), (14, 54586), (16, 54598), (17, 54649), (18, 54652), (22, 54676),

Gene: Momo_111 Start: 56604, Stop: 56855, Start Num: 7
Candidate Starts for Momo_111:
(Start: 2 @56589 has 131 MA's), (Start: 7 @56604 has 51 MA's), (14, 56712), (16, 56724), (17, 56775), (18, 56778), (22, 56802),

Gene: Montpel_110 Start: 59213, Stop: 59464, Start Num: 7
Candidate Starts for Montpel_110:
(Start: 2 @59198 has 131 MA's), (Start: 7 @59213 has 51 MA's), (14, 59321), (16, 59333), (17, 59384), (18, 59387), (22, 59411),

Gene: Morizzled23_112 Start: 56969, Stop: 57220, Start Num: 7
Candidate Starts for Morizzled23_112:
(Start: 2 @56954 has 131 MA's), (Start: 7 @56969 has 51 MA's), (14, 57077), (16, 57089), (17, 57140), (18, 57143), (22, 57167),

Gene: Myrna_107 Start: 56367, Stop: 56666, Start Num: 1
Candidate Starts for Myrna_107:

(Start: 1 @56367 has 1 MA's), (Start: 7 @56427 has 51 MA's), (8, 56439), (9, 56442), (11, 56484), (12, 56490), (24, 56646),

Gene: Naija_111 Start: 56589, Stop: 56855, Start Num: 2
Candidate Starts for Naija_111:
(Start: 2 @56589 has 131 MA's), (Start: 7 @56604 has 51 MA's), (14, 56712), (16, 56724), (17, 56775), (18, 56778), (22, 56802),

Gene: Napoleon13_108 Start: 55631, Stop: 55897, Start Num: 2
Candidate Starts for Napoleon13_108:
(Start: 2 @55631 has 131 MA's), (Start: 7 @55646 has 51 MA's), (14, 55754), (16, 55766), (17, 55817), (18, 55820), (22, 55844),

Gene: Nappy_114 Start: 58999, Stop: 59250, Start Num: 7
Candidate Starts for Nappy_114:
(Start: 2 @58984 has 131 MA's), (Start: 7 @58999 has 51 MA's), (14, 59107), (16, 59119), (17, 59170), (18, 59173), (22, 59197),

Gene: Naval22_116 Start: 59532, Stop: 59783, Start Num: 7
Candidate Starts for Naval22_116:
(Start: 2 @59517 has 131 MA's), (Start: 7 @59532 has 51 MA's), (14, 59640), (16, 59652), (17, 59703), (18, 59706), (22, 59730),

Gene: NedWong_113 Start: 58061, Stop: 58327, Start Num: 2
Candidate Starts for NedWong_113:
(Start: 2 @58061 has 131 MA's), (Start: 7 @58076 has 51 MA's), (14, 58184), (16, 58196), (17, 58247), (18, 58250), (22, 58274),

Gene: Ngannou_108 Start: 55571, Stop: 55837, Start Num: 2
Candidate Starts for Ngannou_108:
(Start: 2 @55571 has 131 MA's), (Start: 7 @55586 has 51 MA's), (14, 55694), (16, 55706), (17, 55757), (18, 55760), (22, 55784),

Gene: Nidhogg_113 Start: 57795, Stop: 58061, Start Num: 2
Candidate Starts for Nidhogg_113:
(Start: 2 @57795 has 131 MA's), (Start: 7 @57810 has 51 MA's), (14, 57918), (16, 57930), (17, 57981), (18, 57984), (22, 58008),

Gene: NoodleTree_119 Start: 58169, Stop: 58420, Start Num: 7
Candidate Starts for NoodleTree_119:
(Start: 2 @58154 has 131 MA's), (Start: 7 @58169 has 51 MA's), (14, 58277), (16, 58289), (17, 58340), (18, 58343), (22, 58367), (25, 58415),

Gene: Norm_113 Start: 58756, Stop: 59022, Start Num: 2
Candidate Starts for Norm_113:
(Start: 2 @58756 has 131 MA's), (Start: 7 @58771 has 51 MA's), (14, 58879), (16, 58891), (17, 58942), (18, 58945), (22, 58969),

Gene: NuevoMundo_117 Start: 60350, Stop: 60601, Start Num: 7
Candidate Starts for NuevoMundo_117:
(Start: 2 @60335 has 131 MA's), (Start: 7 @60350 has 51 MA's), (14, 60458), (16, 60470), (17, 60521), (18, 60524), (22, 60548),

Gene: OrediggerDelux_109 Start: 58606, Stop: 58857, Start Num: 7
Candidate Starts for OrediggerDelux_109:
(Start: 2 @58591 has 131 MA's), (Start: 7 @58606 has 51 MA's), (14, 58714), (16, 58726), (17, 58777), (18, 58780), (22, 58804),

Gene: ParkTD_113 Start: 58057, Stop: 58323, Start Num: 2
Candidate Starts for ParkTD_113:
(Start: 2 @58057 has 131 MA's), (Start: 7 @58072 has 51 MA's), (14, 58180), (16, 58192), (17, 58243), (18, 58246), (22, 58270),

Gene: Patter_112 Start: 56606, Stop: 56872, Start Num: 2
Candidate Starts for Patter_112:
(Start: 2 @56606 has 131 MA's), (Start: 7 @56621 has 51 MA's), (14, 56729), (16, 56741), (17, 56792), (18, 56795), (22, 56819),

Gene: Phabba_111 Start: 55223, Stop: 55465, Start Num: 7
Candidate Starts for Phabba_111:
(Start: 7 @55223 has 51 MA's), (8, 55235), (9, 55238), (12, 55286), (13, 55313), (23, 55436),

Gene: PharkleMinkus_115 Start: 58410, Stop: 58661, Start Num: 7
Candidate Starts for PharkleMinkus_115:
(Start: 2 @58395 has 131 MA's), (Start: 7 @58410 has 51 MA's), (14, 58518), (16, 58530), (17, 58581), (18, 58584), (22, 58608),

Gene: Phlegm_114 Start: 56604, Stop: 56855, Start Num: 7
Candidate Starts for Phlegm_114:
(Start: 2 @56589 has 131 MA's), (Start: 7 @56604 has 51 MA's), (14, 56712), (16, 56724), (17, 56775), (18, 56778), (22, 56802),

Gene: Phox_109 Start: 58337, Stop: 58603, Start Num: 2
Candidate Starts for Phox_109:
(Start: 2 @58337 has 131 MA's), (Start: 7 @58352 has 51 MA's), (14, 58460), (16, 58472), (17, 58523), (18, 58526), (22, 58550),

Gene: Phusco_112 Start: 57354, Stop: 57620, Start Num: 2
Candidate Starts for Phusco_112:
(Start: 2 @57354 has 131 MA's), (Start: 7 @57369 has 51 MA's), (14, 57477), (16, 57489), (17, 57540), (18, 57543), (22, 57567),

Gene: Pier_116 Start: 60343, Stop: 60609, Start Num: 2
Candidate Starts for Pier_116:
(Start: 2 @60343 has 131 MA's), (Start: 7 @60358 has 51 MA's), (14, 60466), (16, 60478), (17, 60529), (18, 60532), (22, 60556),

Gene: Pinkcreek_103 Start: 55678, Stop: 55944, Start Num: 2
Candidate Starts for Pinkcreek_103:
(Start: 2 @55678 has 131 MA's), (Start: 7 @55693 has 51 MA's), (14, 55801), (16, 55813), (17, 55864), (18, 55867), (21, 55882), (22, 55891),

Gene: Pio_116 Start: 59947, Stop: 60213, Start Num: 2
Candidate Starts for Pio_116:
(Start: 2 @59947 has 131 MA's), (Start: 7 @59962 has 51 MA's), (14, 60070), (16, 60082), (17, 60133), (18, 60136), (22, 60160),

Gene: Pivoine_111 Start: 56589, Stop: 56855, Start Num: 2
Candidate Starts for Pivoine_111:
(Start: 2 @56589 has 131 MA's), (Start: 7 @56604 has 51 MA's), (14, 56712), (16, 56724), (17, 56775), (18, 56778), (22, 56802),

Gene: Pleione_115 Start: 58239, Stop: 58490, Start Num: 7
Candidate Starts for Pleione_115:
(Start: 2 @58224 has 131 MA's), (Start: 7 @58239 has 51 MA's), (14, 58347), (16, 58359), (17, 58410), (18, 58413), (22, 58437),

Gene: Primadonna_105 Start: 56719, Stop: 56985, Start Num: 2
Candidate Starts for Primadonna_105:
(Start: 2 @56719 has 131 MA's), (Start: 7 @56734 has 51 MA's), (14, 56842), (16, 56854), (17, 56905), (18, 56908), (22, 56932),

Gene: Pupper_104 Start: 60747, Stop: 60956, Start Num: 6
Candidate Starts for Pupper_104:
(Start: 6 @60747 has 4 MA's), (9, 60765), (10, 60771), (13, 60834), (15, 60846), (18, 60885), (19, 60888), (20, 60894),

Gene: Pupusa_117 Start: 59451, Stop: 59702, Start Num: 7
Candidate Starts for Pupusa_117:
(Start: 2 @59436 has 131 MA's), (Start: 7 @59451 has 51 MA's), (14, 59559), (16, 59571), (17, 59622), (18, 59625), (22, 59649),

Gene: PurduePete_112 Start: 58481, Stop: 58747, Start Num: 2
Candidate Starts for PurduePete_112:
(Start: 2 @58481 has 131 MA's), (Start: 7 @58496 has 51 MA's), (14, 58604), (16, 58616), (17, 58667), (18, 58670), (22, 58694),

Gene: QBert_106 Start: 57061, Stop: 57327, Start Num: 2
Candidate Starts for QBert_106:
(Start: 2 @57061 has 131 MA's), (Start: 7 @57076 has 51 MA's), (14, 57184), (16, 57196), (17, 57247), (18, 57250), (22, 57274),

Gene: Quasimodo_113 Start: 58016, Stop: 58282, Start Num: 2
Candidate Starts for Quasimodo_113:
(Start: 2 @58016 has 131 MA's), (Start: 7 @58031 has 51 MA's), (14, 58139), (16, 58151), (17, 58202), (18, 58205), (22, 58229),

Gene: Rabinovish_109 Start: 58269, Stop: 58520, Start Num: 7
Candidate Starts for Rabinovish_109:
(Start: 2 @58254 has 131 MA's), (Start: 7 @58269 has 51 MA's), (14, 58377), (16, 58389), (17, 58440), (18, 58443), (22, 58467),

Gene: Rahel_111 Start: 56946, Stop: 57212, Start Num: 2
Candidate Starts for Rahel_111:
(Start: 2 @56946 has 131 MA's), (Start: 7 @56961 has 51 MA's), (14, 57069), (16, 57081), (17, 57132), (18, 57135), (22, 57159),

Gene: Rizal_107 Start: 56094, Stop: 56360, Start Num: 2
Candidate Starts for Rizal_107:

(Start: 2 @56094 has 131 MA's), (Start: 7 @56109 has 51 MA's), (14, 56217), (16, 56229), (17, 56280), (18, 56283), (22, 56307),

Gene: RoMag_107 Start: 57267, Stop: 57533, Start Num: 2
Candidate Starts for RoMag_107:
(Start: 2 @57267 has 131 MA's), (Start: 7 @57282 has 51 MA's), (14, 57390), (16, 57402), (17, 57453), (18, 57456), (22, 57480), (25, 57528),

Gene: Rocha_110 Start: 57520, Stop: 57786, Start Num: 2
Candidate Starts for Rocha_110:
(Start: 2 @57520 has 131 MA's), (Start: 7 @57535 has 51 MA's), (14, 57643), (16, 57655), (17, 57706), (18, 57709), (22, 57733), (25, 57781),

Gene: Ronan_106 Start: 55232, Stop: 55483, Start Num: 7
Candidate Starts for Ronan_106:
(Start: 2 @55217 has 131 MA's), (Start: 7 @55232 has 51 MA's), (14, 55340), (16, 55352), (17, 55403), (18, 55406), (22, 55430),

Gene: Roots515_110 Start: 58254, Stop: 58520, Start Num: 2
Candidate Starts for Roots515_110:
(Start: 2 @58254 has 131 MA's), (Start: 7 @58269 has 51 MA's), (14, 58377), (16, 58389), (17, 58440), (18, 58443), (22, 58467),

Gene: SCentae_103 Start: 60893, Stop: 61102, Start Num: 6
Candidate Starts for SCentae_103:
(Start: 6 @60893 has 4 MA's), (9, 60911), (10, 60917), (13, 60980), (15, 60992), (18, 61031), (19, 61034), (20, 61040),

Gene: SVoro_109 Start: 58431, Stop: 58697, Start Num: 2
Candidate Starts for SVoro_109:
(Start: 2 @58431 has 131 MA's), (Start: 7 @58446 has 51 MA's), (14, 58554), (16, 58566), (17, 58617), (18, 58620), (22, 58644),

Gene: Salacia_116 Start: 58410, Stop: 58661, Start Num: 7
Candidate Starts for Salacia_116:
(Start: 2 @58395 has 131 MA's), (Start: 7 @58410 has 51 MA's), (14, 58518), (16, 58530), (17, 58581), (18, 58584), (22, 58608),

Gene: Sauce_112 Start: 57001, Stop: 57267, Start Num: 2
Candidate Starts for Sauce_112:
(Start: 2 @57001 has 131 MA's), (Start: 7 @57016 has 51 MA's), (14, 57124), (16, 57136), (17, 57187), (18, 57190), (22, 57214),

Gene: ScoobyDoobyDoo_102 Start: 54803, Stop: 55045, Start Num: 7
Candidate Starts for ScoobyDoobyDoo_102:
(4, 54794), (5, 54800), (Start: 7 @54803 has 51 MA's), (8, 54815), (9, 54818), (10, 54824), (11, 54860),

Gene: ScottMcG_108 Start: 57032, Stop: 57283, Start Num: 7
Candidate Starts for ScottMcG_108:
(Start: 2 @57017 has 131 MA's), (Start: 7 @57032 has 51 MA's), (14, 57140), (16, 57152), (17, 57203), (18, 57206), (22, 57230), (25, 57278),

Gene: Sebata_112 Start: 58485, Stop: 58736, Start Num: 7

Candidate Starts for Sebata_112:
(Start: 2 @58470 has 131 MA's), (Start: 7 @58485 has 51 MA's), (14, 58593), (16, 58605), (17, 58656), (18, 58659), (22, 58683),

Gene: Shaqnato_105 Start: 56061, Stop: 56327, Start Num: 2
Candidate Starts for Shaqnato_105:
(Start: 2 @56061 has 131 MA's), (Start: 7 @56076 has 51 MA's), (14, 56184), (16, 56196), (17, 56247), (18, 56250), (22, 56274),

Gene: Shelob_114 Start: 58843, Stop: 59109, Start Num: 2
Candidate Starts for Shelob_114:
(Start: 2 @58843 has 131 MA's), (Start: 7 @58858 has 51 MA's), (14, 58966), (16, 58978), (17, 59029), (18, 59032), (22, 59056),

Gene: ShiaLabeouf_111 Start: 57381, Stop: 57647, Start Num: 2
Candidate Starts for ShiaLabeouf_111:
(Start: 2 @57381 has 131 MA's), (Start: 7 @57396 has 51 MA's), (14, 57504), (16, 57516), (17, 57567), (18, 57570), (22, 57594),

Gene: Shifa_99 Start: 55852, Stop: 56118, Start Num: 2
Candidate Starts for Shifa_99:
(Start: 2 @55852 has 131 MA's), (Start: 7 @55867 has 51 MA's), (14, 55975), (16, 55987), (17, 56038), (18, 56041), (21, 56056), (22, 56065),

Gene: Shnickers_112 Start: 57345, Stop: 57611, Start Num: 2
Candidate Starts for Shnickers_112:
(Start: 2 @57345 has 131 MA's), (Start: 7 @57360 has 51 MA's), (14, 57468), (16, 57480), (17, 57531), (18, 57534), (22, 57558),

Gene: Shrimp_112 Start: 58080, Stop: 58331, Start Num: 7
Candidate Starts for Shrimp_112:
(Start: 2 @58065 has 131 MA's), (Start: 7 @58080 has 51 MA's), (14, 58188), (16, 58200), (17, 58251), (18, 58254), (22, 58278),

Gene: SilverDipper_113 Start: 56589, Stop: 56855, Start Num: 2
Candidate Starts for SilverDipper_113:
(Start: 2 @56589 has 131 MA's), (Start: 7 @56604 has 51 MA's), (14, 56712), (16, 56724), (17, 56775), (18, 56778), (22, 56802),

Gene: Skog_167 Start: 91814, Stop: 92023, Start Num: 6
Candidate Starts for Skog_167:
(3, 91802), (Start: 6 @91814 has 4 MA's), (9, 91832), (10, 91838), (13, 91901), (19, 91955), (20, 91961),

Gene: SmallFry_112 Start: 56570, Stop: 56836, Start Num: 2
Candidate Starts for SmallFry_112:
(Start: 2 @56570 has 131 MA's), (Start: 7 @56585 has 51 MA's), (14, 56693), (16, 56705), (17, 56756), (18, 56759), (22, 56783),

Gene: Spec_107 Start: 57125, Stop: 57376, Start Num: 7
Candidate Starts for Spec_107:
(Start: 2 @57110 has 131 MA's), (Start: 7 @57125 has 51 MA's), (14, 57233), (16, 57245), (17, 57296), (18, 57299), (22, 57323),

Gene: Specks_117 Start: 59245, Stop: 59511, Start Num: 2
Candidate Starts for Specks_117:
(Start: 2 @59245 has 131 MA's), (Start: 7 @59260 has 51 MA's), (14, 59368), (16, 59380), (17, 59431), (18, 59434), (22, 59458),

Gene: Sprinklers_108 Start: 56641, Stop: 56892, Start Num: 7
Candidate Starts for Sprinklers_108:
(Start: 2 @56626 has 131 MA's), (Start: 7 @56641 has 51 MA's), (14, 56749), (16, 56761), (17, 56812), (18, 56815), (22, 56839),

Gene: Spud_111 Start: 58141, Stop: 58407, Start Num: 2
Candidate Starts for Spud_111:
(Start: 2 @58141 has 131 MA's), (Start: 7 @58156 has 51 MA's), (14, 58264), (16, 58276), (17, 58327), (18, 58330), (22, 58354),

Gene: SrishMeg2525_111 Start: 58163, Stop: 58429, Start Num: 2
Candidate Starts for SrishMeg2525_111:
(Start: 2 @58163 has 131 MA's), (Start: 7 @58178 has 51 MA's), (14, 58286), (16, 58298), (17, 58349), (18, 58352), (22, 58376),

Gene: StephanieG_110 Start: 58987, Stop: 59238, Start Num: 7
Candidate Starts for StephanieG_110:
(Start: 2 @58972 has 131 MA's), (Start: 7 @58987 has 51 MA's), (14, 59095), (16, 59107), (17, 59158), (18, 59161), (22, 59185), (25, 59233),

Gene: Stubby_104 Start: 56168, Stop: 56434, Start Num: 2
Candidate Starts for Stubby_104:
(Start: 2 @56168 has 131 MA's), (Start: 7 @56183 has 51 MA's), (14, 56291), (16, 56303), (18, 56357), (22, 56381),

Gene: StubbySaigey_115 Start: 56759, Stop: 57025, Start Num: 2
Candidate Starts for StubbySaigey_115:
(Start: 2 @56759 has 131 MA's), (Start: 7 @56774 has 51 MA's), (14, 56882), (16, 56894), (17, 56945), (18, 56948), (22, 56972), (25, 57020),

Gene: Substance289_109 Start: 56863, Stop: 57129, Start Num: 2
Candidate Starts for Substance289_109:
(Start: 2 @56863 has 131 MA's), (Start: 7 @56878 has 51 MA's), (14, 56986), (16, 56998), (17, 57049), (18, 57052), (22, 57076),

Gene: Tainan_115 Start: 58582, Stop: 58833, Start Num: 7
Candidate Starts for Tainan_115:
(Start: 2 @58567 has 131 MA's), (Start: 7 @58582 has 51 MA's), (14, 58690), (16, 58702), (17, 58753), (18, 58756), (22, 58780),

Gene: Teardrop_111 Start: 56569, Stop: 56835, Start Num: 2
Candidate Starts for Teardrop_111:
(Start: 2 @56569 has 131 MA's), (Start: 7 @56584 has 51 MA's), (14, 56692), (16, 56704), (17, 56755), (18, 56758), (22, 56782),

Gene: TinyTim_112 Start: 57821, Stop: 58087, Start Num: 2
Candidate Starts for TinyTim_112:

(Start: 2 @57821 has 131 MA's), (Start: 7 @57836 has 51 MA's), (14, 57944), (16, 57956), (17, 58007), (18, 58010), (22, 58034),

Gene: Tonenili_126 Start: 61299, Stop: 61550, Start Num: 7
Candidate Starts for Tonenili_126:
(Start: 2 @61284 has 131 MA's), (Start: 7 @61299 has 51 MA's), (11, 61359), (14, 61407), (16, 61419), (17, 61470), (20, 61482),

Gene: Tortoise16_109 Start: 57170, Stop: 57436, Start Num: 2
Candidate Starts for Tortoise16_109:
(Start: 2 @57170 has 131 MA's), (Start: 7 @57185 has 51 MA's), (14, 57293), (16, 57305), (17, 57356), (18, 57359), (22, 57383), (25, 57431),

Gene: Trinitium_109 Start: 56540, Stop: 56791, Start Num: 7
Candidate Starts for Trinitium_109:
(Start: 2 @56525 has 131 MA's), (Start: 7 @56540 has 51 MA's), (14, 56648), (16, 56660), (17, 56711), (18, 56714), (22, 56738), (25, 56786),

Gene: Turret_107 Start: 55970, Stop: 56236, Start Num: 2
Candidate Starts for Turret_107:
(Start: 2 @55970 has 131 MA's), (Start: 7 @55985 has 51 MA's), (14, 56093), (16, 56105), (17, 56156), (18, 56159), (22, 56183), (25, 56231),

Gene: Tyke_112 Start: 58476, Stop: 58742, Start Num: 2
Candidate Starts for Tyke_112:
(Start: 2 @58476 has 131 MA's), (Start: 7 @58491 has 51 MA's), (14, 58599), (16, 58611), (17, 58662), (18, 58665), (22, 58689),

Gene: ValleyTerrace_112 Start: 56589, Stop: 56855, Start Num: 2
Candidate Starts for ValleyTerrace_112:
(Start: 2 @56589 has 131 MA's), (Start: 7 @56604 has 51 MA's), (14, 56712), (16, 56724), (17, 56775), (18, 56778), (22, 56802),

Gene: Vortrix_125 Start: 60615, Stop: 60866, Start Num: 7
Candidate Starts for Vortrix_125:
(Start: 2 @60600 has 131 MA's), (Start: 7 @60615 has 51 MA's), (11, 60675), (14, 60723), (16, 60735), (17, 60786), (20, 60798),

Gene: Wally_111 Start: 56599, Stop: 56865, Start Num: 2
Candidate Starts for Wally_111:
(Start: 2 @56599 has 131 MA's), (Start: 7 @56614 has 51 MA's), (14, 56722), (16, 56734), (17, 56785), (18, 56788), (22, 56812), (25, 56860),

Gene: Willis_113 Start: 57971, Stop: 58222, Start Num: 7
Candidate Starts for Willis_113:
(Start: 2 @57956 has 131 MA's), (Start: 7 @57971 has 51 MA's), (14, 58079), (16, 58091), (17, 58142), (18, 58145), (22, 58169),

Gene: Yassified_109 Start: 56676, Stop: 56942, Start Num: 2
Candidate Starts for Yassified_109:
(Start: 2 @56676 has 131 MA's), (Start: 7 @56691 has 51 MA's), (14, 56799), (16, 56811), (17, 56862), (18, 56865), (22, 56889),

Gene: YemiJoy2021_113 Start: 58058, Stop: 58324, Start Num: 2
Candidate Starts for YemiJoy2021_113:
(Start: 2 @58058 has 131 MA's), (Start: 7 @58073 has 51 MA's), (14, 58181), (16, 58193), (17, 58244), (18, 58247), (22, 58271),

Gene: YoungMoneyMata_113 Start: 57240, Stop: 57491, Start Num: 7
Candidate Starts for YoungMoneyMata_113:
(Start: 2 @57225 has 131 MA's), (Start: 7 @57240 has 51 MA's), (14, 57348), (16, 57360), (17, 57411), (18, 57414), (22, 57438),

Gene: Yucca_111 Start: 57740, Stop: 58006, Start Num: 2
Candidate Starts for Yucca_111:
(Start: 2 @57740 has 131 MA's), (Start: 7 @57755 has 51 MA's), (14, 57863), (16, 57875), (17, 57926), (18, 57929), (22, 57953),

Gene: Zalkecks_113 Start: 57741, Stop: 58007, Start Num: 2
Candidate Starts for Zalkecks_113:
(Start: 2 @57741 has 131 MA's), (Start: 7 @57756 has 51 MA's), (14, 57864), (16, 57876), (17, 57927), (18, 57930), (22, 57954),

Gene: Zeenon_113 Start: 57826, Stop: 58092, Start Num: 2
Candidate Starts for Zeenon_113:
(Start: 2 @57826 has 131 MA's), (Start: 7 @57841 has 51 MA's), (14, 57949), (16, 57961), (17, 58012), (18, 58015), (22, 58039),

Gene: ZygoTaiga_110 Start: 58986, Stop: 59252, Start Num: 2
Candidate Starts for ZygoTaiga_110:
(Start: 2 @58986 has 131 MA's), (Start: 7 @59001 has 51 MA's), (14, 59109), (16, 59121), (17, 59172), (18, 59175), (22, 59199),